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				Application Number	Not yet assigned			
INFORMATION DISCLOSURE				Filing Date	August 20, 2003			
STA	STATEMENT BY APPLICANT			First Named Inventor	Walton			
				Group Art Unit	Not yet assigned			
	(use as many she	ets as	necessary)	Examiner Name	Not yet assigned			
Sheet	1	of	2	Attorney Docket Number	NC 84,613			

				U.S. PATENT DOCU	MENTS	
Examiner Initials	No.1 Number (il known)		Kind Code ² (il known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
11		5,182,496		Manheimer et al	01/26/1993	
1/2		5,874,807		Neger et al	02/23/1999	
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Examiner Cite Initials No.1		Office ³	Number ⁴	Kind Cade ⁴ (il known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	76
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1 Unique citation designation number. See attached Kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

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Substitu	ute for form 1449B/PTO		Co	omplet if Known
			Application Number	Not yet assigned
INF	DRMATION	DISCLOSURE	Filing Date	August 20, 2003
STA	TEMENT B	Y APPLICANT	First Named Inventor	Walton
.		ALLEGAN	Group Art Unit	Not yet assigned
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Sheet	2	of 2	Attorney Docket Number	NC 84,613

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, calalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	L3			
Mu	MEGER et al, "Berned-Generated Plasmas for Processing Applications", Amer. Inst. of Physics, May 2001, Vol. 8 No. 5, pp. 2558-2564					
		LEONHARDT et al, "Plasma Diagnostic in Large area Plasma Processing System", Journal of Vacuum Science & Tech., July 2001, Vol. 19 No. 4, pp. 1367-1373				
		WALTON et al, "Ion Energy Distribution in a Pulsed, Electron Beam-Generated Plasma", Journal of Vacuum Science & Tech., July 2001, Vol 19 No. 4, pp. 1325-1329				
		MANHEIMER et al, "Theoretical Overview of the Large-Area Plasma Processing System (LAPPS)", Plasma Sources Science Technology, 2000, Vol 9, pp. 370-386				
Ph		FERNSLER et al, "Production of Large-Area Plasmas by Electron Beams", Amer. Inst. of Physics, May 1998, Vol5 No. 5, pp. 2137-2143				

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Substitute for form 1449A/PTO

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of 2

Complete if Known 10/644,567 **Application Number** Filing Date August 20, 2003 Walton et al. First Named Inventor Group Art Unit Not yet assigned Not yet assigned Examiner Name Attorney Docket Number 84,613

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Ľ	ph		5,874,807		Neger et al.	02-23-1999			
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			•••	Application Number	10/644,567
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				Group Art Unit	Not-yet-assigned
	(use as n	nany sheets	as necessary)	Examiner Name	Not yet assigned
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	/ Examir Initials		Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the illern (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
K	1			R. F. FERNSLER ET Al., "Production of large-area plasmas by electron beams," Phys. Plasmas, 1998, 5, 2137-2143	
				WALLACE M. MANHEIMER ET AL., "Theoretical overview of the large-area plasma processing system (LAPPS)," Plasma Sources Sci. Technol. 2000, 9, 370-386	
				S. G. WALTON ET AL., "Ion energy distributions in a pulsed, electron beam-generated plasma," J. Vac. Sci. Technol. A, 2001, 19(4), 1325-1329	
	\perp			D. LEONHARDT ET Al., "Plasma diagnostics in large area plasma processing system," J. Vac. Sci. Technol. A, 2001, 19(4), 1367-1373	
	\perp			R. A. MEGER ET AL., "Beam-generated plasmas for processing applications," Phys Plasmas, 2001, 8, 2558-2564	
	M	4	_	KARL-HEINZ MULLER, "Stress and microstructure of sputter-deposited thin films: Molecular dynamcis investigations," J. Appl. Phys., 1987, 62, 1796-1799	

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